

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference N.90146A JEB	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2005/000262	International filing date (day/month/year) 27/01/2005	(Earliest) Priority Date (day/month/year) 28/01/2004
Applicant OXONICA, LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

METAL OXIDE PARTICLES USEFUL AS FREE RADICAL SCAVENGERS IN SUNSCREEN AND COSMETIC COMPOSITIONS

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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IP11 Rec'd PCT

International application No.

PCT/GB2005/000262

PTO 28 JUL 2006

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A composition is described which comprises a component which is susceptible to free radical attack, said composition comprising, as a free radical scavenger, at least one particle having a size not exceeding 100 nm of an oxide of a rare earth or transition metal possessing adjacent oxidation states.
The composition is preferable a UV sunscreen composition suitable also for cosmetic use.

INTERNATIONAL SEARCH REPORT

Application No

PCT/GB2005/000262

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/42 A61K33/24 C08K3/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/138386 A1 (KNOWLAND JOHN SEBASTIAN ET AL) 24 July 2003 (2003-07-24) paragraphs '0013!', '0015!', '0016! paragraphs '0018!', '0024!' - '0037! paragraph '0046! examples -----	1-22,24, 27,28,30
X	US 5 733 895 A (FORESTIER ET AL) 31 March 1998 (1998-03-31) column 3, line 10 - column 4, line 12 examples claims 1-4,6,7,10 -----	1-17,26, 30
X	US 5 690 917 A (ETEVE ET AL) 25 November 1997 (1997-11-25) examples claims 1,2,4,7 ----- -/-	1-17,26, 30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

29 April 2005

Date of mailing of the international search report

06/05/2005

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INTERNATIONAL SEARCH REPORT

Application No

PCT/GB2005/000262

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 788 952 A (GERS-BARLAG ET AL) 4 August 1998 (1998-08-04) column 3, line 19 - line 39 column 4, lines 7,66 - line 31 claims 1,3,5,6	1-5, 7-14,24, 26,28,30

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 Application No.
 PCT/GB2005/000262

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